

Family list

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Derived from 2 applications.

1 Process for deuteration of inert methylenePublication info: **US2005177015 A1** - 2005-08-11**2 PROCESS FOR DEUTERATION OF INERT METHYLENE**Publication info: **WO03104166 A1** - 2003-12-18

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PROCESS FOR DEUTERATION OF INERT METHYLENE

Publication number: WO03104166**Publication date:** 2003-12-18**Inventor:** HIROTA KOSAKU (JP); SAJIKI HIRONAO (JP)**Applicant:** WAKO PURE CHEM IND LTD (JP); HIROTA KOSAKU (JP); SAJIKI HIRONAO (JP)**Classification:****- international:** C07B59/00; C07B59/00; (IPC1-7): C07B59/00; C07M5/00**- european:** C07B59/00; C07B59/00C**Application number:** WO2002JP11785 20021112**Priority number(s):** JP20020166224 20020606**Also published as:** US2005177015 (A)**Cited documents:** JP63198638 EP0203588 JP10139694**Report a data error** **Abstract of WO03104166**

The invention relates to a process for deuteration of inert alkanes with activated palladium-carbon, specifically, a process for deuterating a compound having either a methyl group or an alkylene group having two or more carbon atoms in a state directly bonded to an optionally substituted aromatic ring through replacement of one or more hydrogen atoms of the methyl group or one or more of the benzylic and other hydrogen atoms of the alkylene group by deuterium, characterized in that the above compound is subjected to refluxing in a closed system in the presence of activated palladium-carbon in a state dissolved in a deuterated solvent.

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